

**SECONDARY LATCHKEY MECHANISM AND METHOD FOR RETICLE
SMIF PODS**

ABSTRACT

A reticle SMIF pod includes a dome having a plurality of latchkeys and a cassette having a plurality of primary engagement locations thereon into which the latchkeys are intended to engage when sealing the cassette to the dome. A plurality of secondary engagement locations are positioned in the cassette above the plurality of primary engagement locations to prevent the cassette from falling should the plurality of latchkeys fail to engage in the primary engagement locations.